

C111: Medicine and Modern Society

Dr Andrew Hull

2003/2004

Except for 3 and 24 October, Fridays, 12 noon 1 p.m. Lecture Theatre, 2nd Floor, Euston House, 24 Eversholt Street

Autumn Term c. 1850-1914

<i>Week</i>	<i>date</i>	<i>lecture topic</i>
1.	September 26	<u>Intro/overview: general/medical history of the period</u>
2.	October 3 *	<u>Public health and the state</u> *NOTE THIS LECTURE IS AT 10 a.m. – 11 a.m.
3.	October 10	<u>The hospitals</u>
4.	October 17	<u>Medical education</u>
5.	October 24*	<u>The medical profession in the nineteenth century</u> *NOTE THIS LECTURE IS AT 10 a.m. – 11 a.m.
6.	October 31	<u>Surgery</u>
7.	November 7	NO LECTURE (READING WEEK from Mon 3/11/03)
8.	November 14	<u>Scientific medicine</u>
9.	November 21	<u>The Pharmaceutical Industry</u>
10.	November 28	<u>Women as Doctors, Nurses and Patients</u>
11.	December 5	<u>Science and Society</u>

Useful books and articles

Please Note

Do also use the GENERAL reading for all topics.

Where listings under sub-headings are not alphabetical, this indicates my suggested best order to read in.

* indicates – if you want to read one thing for the lecture then read this!

Where an item is listed as (Photocopy) this means that I have put a photocopy in the C111 Box in the Student Common Room 2nd Floor. Please take a copy of the article/chapter and return it to the box. **If you don't return it you will be letting everybody down.**

General

W. F. Bynum, *Science and the practice of medicine in the 19th century*, 1994

W. F. Bynum and Roy Porter (eds), *Companion Encyclopaedia of the History of Medicine* 1994 – referred to henceforth as *CE*

Anne Hardy, *Health and Medicine in Britain since 1860*, 2001

Christopher Lawrence, *Medicine and the making of modern Britain*, 1994

'Ways of knowing: towards a historical sociology of science, technology and medicine', *Brit. J. Hist. Sci.*, 1993, 26: 433-58. (Photocopy)

[If you are intrigued by this follow it up in, John V. Pickstone, *Ways of Knowing: A new history of science, technology and medicine* (Manchester, MUP, 2000)].

Roy Porter, *The Greatest Benefit to Mankind: a medical History of Humanity from Antiquity to the Present*, orig 1997: paperback 1999) Chapters XII – XXII

Roy Porter, *Disease, Medicine and Society in England, 1550-1860*, 1987, chapter 5 for succinct overview of 19th century

Andrew Wear (ed.), *Medicine in Society*, 1992

Paul Weindling, 'From Infectious to chronic Diseases: changing patterns of sickness in the nineteenth and twentieth centuries' 303-16 in *Medicine and Society*.

Public Health

*Elizabeth Fee and Dorothy Porter, 'Public health', in Wear (ed.), *Medicine in Society*, 1992

Christopher Hamlin, *Public Health and Social Justice in the Age of Chadwick*, 1998

Anne Hardy, *The epidemic streets: Infectious disease and the rise of preventive medicine*, 1993

E.P. Hennock, 'The Urban Sanitary Movement in England and Germany, 1838-1914: a comparison', *Continuity and Change: A Journal of Social Structure etc*, Vol. 15, part 2 (Aug 2000): 269-96.

Royston Lambert, *Sir John Simon*, 1965

John Pickstone, 'Dearth, Death and Fever Epidemics: Rewriting the History of British Public Health 1780-1850', in *Epidemics and Ideas: Essays on the Historical Perception of Pestilence*, ed. T. Ranger and P. Slack, 1992.

Dorothy Porter, *Health, Civilisation and the State: A History of Public Health from Ancient to Modern Times*, 1999

F.B. Smith, *The People's Health, 1830-1910*, 1979

Anthony Wohl, *Endangered Lives: Public Health in Victorian Britain*, 1983

Michael Worboys, *Spreading Germs*, 2000 (chapter 4 on the ideas of disease causation that underlay sanitary reform; 6 and 7 on the impact of bacteriology on public health from 1870 -)

Internet

London Mortality Statistics 1850-1900 <http://fisher.lib.virginia.edu/london/mortality.html>

Childhood mortality <http://gober.net/victorian/reports/childhood.html>

Victorian Public Health Resources <http://www.victorianweb.org/science/health/healthov.html>

Warren's Chronology of State Medicine, Public Health etc <http://www.chronology.org.uk/>

Hospitals

*Brian Abel-Smith, *The Hospitals, 1800-1914*, 1964

Steven Cherry, *Medical Services and the Hospitals in Britain*, 1996.

Lindsay Granshaw, *St Mark's Hospital: A social history of a specialist hospital*, 1985. First and last chapters.

*Lindsay Granshaw, 'The rise of the modern hospital', in Wear (ed.), *Medicine in society*

Lindsay Granshaw, "'Fame and Fortune by Means of Bricks and Mortar": the medical profession and specialist hospitals in Britain, 1800-1948' in Granshaw and Porter eds. *The Hospital in History*, 1989

Lindsay Granshaw, 'The Hospital' in *CE*

John Pickstone, *Medicine and Industrial Society*, 1985

Harriet Richardson (ed.) *English Hospitals, 1660-1948*, 1998.

Guenter Risse, *Mending Bodies, Saving Souls*, 1999.

Ivan Waddington, 'The Role of the Hospital in the Development of Modern Medicine: A Sociological Analysis', *Sociology*, 7, 1973:211-25.

Woodward, J., *To do the Sick No Harm: A Study of the British Voluntary Hospital System to 1975*, 1974.

Medical Profession in 19c

Anne Digby, *Making a medical living*, 1994

* Digby, *The evolution of the British general practitioner 1850-1950*, 1999

*Toby Gelfand, 'The History of the Medical Profession', Chapter 47 in Bynum and Porter (eds) *Companion Encyclopaedia to the History of Medicine*.

Andrew Hull, 'The "The Great Struggle among the Medical Corporations": the Royal College of Physicians and Surgeons of Glasgow and the Battle for Medical Reform, 1840-1858 [Photocopy]

Andrew Hull, 'After the Medical Act, 1858-86' in A. Hull, *The History of the Royal College of Physicians and Surgeons of Glasgow, 1858-1999*, 1999

Christopher Lawrence, *Medicine and the Making of Modern Britain*, 1994, chapters 2 and 3

Irvine Loudon, *Medical care and the general practitioner*, 1985

Irvine Loudon, 'Medical Practitioners 1750-1850 and the period of medical reform in Britain' in Wear (ed.) *Medicine and Society*.

Noel Parry and Jose Parry, *The rise of the medical profession*, 1976

Harold Perkin, *The Rise of Professional Society*

M. Jeanne Peterson, *The medical profession in mid-Victorian London*, 1978

Rosemary Stevens, *Medical practice in modern England: The impact of specialisation and state medicine*, 1966, early chapters

I. Waddington, *The medical profession in the industrial revolution*

Ivan Waddington, 'General Practitioners and Consultants in Early Nineteenth Century England: The Sociology of an Intra-Professional Conflict', in J. Woodward and D. Richards (eds), *Health Care and Popular Medicine in Nineteenth Century England*, (London, Croom Helm, 1977). Photocopy.

Medical Education

*Thomas Bonner, *Becoming a Physician*, 1996

Susan Lawrence, 'Medical Education', in *CE*

Irvine Loudon, 'Medical Education and Medical Reform', in V. Nutton and R. Porter (eds), *The History of Medical Education in Britain*, (Amsterdam, Rodopi, 1995). Photocopy.

S.W.F. Holloway, 'Medical Education in England, 1830-1858: A Sociological Analysis', *History*, 49 (1964): 299-324. Photocopy.

Charles Newman, *A History of Medical Education*, 1952

M.J. Peterson, *Medical Profession in Mid-Victorian London*, 1978

Lisa Rosner, 'Medical education', in *The Oxford Illustrated History of Medicine*, 1996

A.J. Youngson, 'Medical Education in the later 19th century: the science take-over', *Medical Education*, 23, 1989: 480-91. Photocopy.

Surgery

CE – articles by Lawrence and Tröhler.

F. Cartwright, *The development of Modern Surgery*, 1967

C. Lawrence 'Introduction' in C. Lawrence (ed.), *Medical Theory, Surgical Practice*, 1992

*C. Lawrence and Richard Dixey, 'Practising on Principle: Joseph Lister and the Germ Theories of Disease', in C. Lawrence (ed.), *Medical Theory, Surgical Practice*, 1992, 153-215 (was antiseptic surgery actually the application of scientific knowledge – germ theory – or not?)

L. Granshaw, "'Upon this Principle I have based a Practice": the Development of Antisepsis in Britain' in J. Pickstone ed., *Medical Innovation in historical perspective*,

Lindsay Granshaw, 'Knowledge of Bodies or Bodies of Knowledge? Surgeons, anatomists and rectal surgery, 1830-1985, 232-62 in C. Lawrence (ed.), *Medical Theory, Surgical Practice*, 1992

T. H. Pennington, 'Listerism, its Decline and its Persistence', in *Medical History*, vol 39 (1995), 35-60

Michael Worboys, *Spreading Germs: Disease Theories and Medical Practice in Britain, 1865-1900*, 2000.

Special Issue on Rethinking the Reception of the Germ Theory of Disease, *Journal of the History of Medicine and Allied Sciences*, 52 (1997).

Scientific Medicine

1. The increasing importance of laboratory-based science in medicine in the 19c

*W. F. Bynum, *Science and the practice of medicine in the 19th century*, 1994

Andrew Cunningham and Perry Williams (eds.), *The Laboratory Revolution in Medicine*, 1992

Rene Dubos, *Pastuer and Modern Science*

Robert G. Frank, Jr., 'The Telltale Heart: Physiological Instruments, Graphic Methods, And Clinical Hopes, 1854-1914' 211-90 in W. Coleman and F.L. Holmes (eds), *The Investigative Enterprise: Experimental Physiology in Nineteenth-Century Medicine*, 1988.

Gerald Geison, *The Private Science of Louis Pasteur*, 1995.

John V. Pickstone, 'Ways of knowing: towards a historical sociology of science, technology and medicine', *Brit. J. Hist. Sci.*, 1993, 26: 433-58

Mark Weatherall, 'Making medicine scientific: empiricism, rationality, and quackery in mid-Victorian Britain', *Social History of Medicine*. Vol. 9, no. 2 (Aug. 1996): 175-194.

Mark Weatherall, *Gentlemen, scientists, and doctors: medicine at Cambridge, 1800-1940*, Rochester, NY : Boydell Press in association with Cambridge University Library, 2000. (This is a great study of how laboratory science becomes established in one university. For this first part of the course concentrate on the pre-1914 material).

2. The impacts of laboratory science (methods, techniques, ways of thinking) on clinical practice by hospital consultants and other practitioners, and on medical schools etc up to c. 1900

*****Christopher Lawrence, 'Incommunicable Knowledge: Science, Technology and the Clinical Art in Britain, 1850-1914', *Journal of Contemporary History*, 20 (1985), 503-20

Stephen Jacyna, 'The Laboratory and the Clinic: the impact of pathology on surgical diagnosis in the Glasgow Western Infirmary, 1875-1910', *Bull. Hist. Med.*, 1988, 62, 384-406;

Stella Butler, 'Science and Medicine in the nineteenth century: changing conceptions of clinical practice', paper presented at conference on 'Science in Modern Medicine', Manchester, 19-21 April 1985 (photocopy)

Joel D. Howell, *Technology and the Hospital: Transforming Patient Care in the early Twentieth Century*, 1995 (on US but very good)

Russell C. Maulitz, "'Physician Versus Bacteriologist": The Ideology of Science in Clinical Medicine', in M.J. Vogel and C. E. Rosenberg (eds), *The Therapeutic Revolution* (Philadelphia, University of Pennsylvania Press, 1979) 91-108. (on US but think about these themes for UK).

Stanley J. Reiser, *Medicine and the Reign of Technology* (1981) (ditto)

Steve Sturdy, 'The political economy of scientific medicine: science, education and the transformation of medical practice in Sheffield, 1890-1922', *Medical History*, 1992, 36: pp. 125-59.

Michael Worboys, *Spreading Germs*, 2000, especially Conclusion.

The Pharmaceutical Industry

Wai Chen, 'The Laboratory as Business: Sir Almroth Wright's Vaccine Programme and the Construction of Penicillin', in A. Cunningham and P. Williams (eds), *The Laboratory Revolution in Medicine*, 1992: 245-2.

John Abraham, *Science, Politics and the Pharmaceutical Industry*, 1995.

Rima Apple, *Vitmania: Vitamins in American Culture*, 1996.

*Roger Cooter and John Pickstone (eds) *Medicine in the Twentieth Century*, 2000, chapters 10, and 12.

*Timothy Lenoir, 'A Magic Bullet: research for Profit and the Growth of Knowledge in Germany around 1900', *Minerva*, 26 (1988), 66-88.

John Lesch, 'Chemistry and Biomedicine in an Industrial Setting: the Invention of Sulfa Drugs' in *Chemistry in the Modern World*, ed S. H. Mauskopf, 1995.

Jonathan Liebenau, 'Industrial R&D in Pharmaceutical Firms in the Early Twentieth Century', *Business History*, 26 (1984) [UCL library].

Jonathan Liebenau, *Medical Science and Medical Industry: the Formation of the American Pharmaceutical Industry*, 1987.

'The Rise of the British Pharmaceutical Industry', *British Medical Journal*, Vol. 301, 1990: 724-8.

John V. Pickstone, 'Ways of knowing: towards a historical sociology of science, technology and medicine', *Brit. J. Hist. Sci.*, 1993, 26: 433-58

John P. Swann, *Academic Scientists and the Pharmaceutical Industry*, 1988

M. Weatherall, *In Search of a Cure: A History of Pharmaceutical Discovery*, 1990.

Women as Doctors, Nurses and Patients

Women in Medicine

Brian Abel-Smith, *A history of the nursing profession*, 1982

Bonnie Anderson & Judith Zinsser, *A history of their own: Women in Europe from prehistory to present*, vol. 2, Penguin, 1990

Monica Baly, *Florence Nightingale and the nursing legacy*, 1986

*Catriona Blake, *The Charge of the Parasols*, 1989

Thomas Bonner, *To the ends of the earth: Women's search for education in medicine*, 1992

Margaret Forster, *Significant sisters: The grassroots of active feminism, 1839-1939*, 1984. Especially chapters on Florence Nightingale and Elizabeth Blackwell

James Garner, 'The Great Experiment: the Admission of Women Students to St. Mary's Hospital Medical School, 1916-25, *Medical History*, 1988

*Lindsay Granshaw, 'Nursing' in Bynum & Porter eds, *The Companion Encyclopaedia to the History of Medicine*, 1995

Anne Hardy and Laurence Conrad (eds), *Women and Modern Medicine*, 2001

Carol Helmerstadt, 'The origins of modern nursing', *Bulletin of the History of Medicine*, July 1993

Judith Moore, *A zeal for responsibility: the struggle for professional nursing in Victorian England*, 1991

R.M. Morantz-Sanchez, *Sympathy and Science: women physicians in American medicine*, 1985

F.B. Smith, *Florence Nightingale*, 1984

Anne Summers, 'The demise of Sarah Gamp', *Victorian Studies*, 32 (1988-89)

See also Anne Digby, *Evolution of the British General Practitioner*, chapter

Women and Medicine

Alison Bashford, *Purity and Pollution: Gender, Embodiment and Victorian Medicine*, 1998.

Lucy Bland, *Banishing the Beast*, 1995.

V. Bullough and M. Voght, 'Women, Menstruation and Nineteenth Century Medicine', *Bulletin for the History of Medicine*, 1973.

Anne Digby, 'Women's Biological Straightjacket' in Mendus and Rendall (eds), *Sexuality and Subordination*, 1989.

Lesley Hall, *Sex, Gender and Social Change*, 2000

J. L'Esperance, 'Doctors and Women in Nineteenth Century England in Woodward and Richards (eds), *Health Care and Popular Medicine in Nineteenth Century England*, 1977

*Ornella Moscucci, *The Science of Woman*, 1990.

Judith Walkowitz, *Prostitution and Victorian Society*, 1980.

Web <http://homepages.primeplus.com/lesleyah/>

Medicine and Society

Ann Beck, 'Issues in the Anti-vaccination movement in England', *Medical History* 4 (1960), 310-321

Nadja Durbach, "' They might as well brand us": Working-class Resistance to Compulsory Vaccination', *Social History of Medicine, Social History of Medicine*, Volume 13, Issue 1, 45-62:

*Richard French, *Antivivisection and Medical Science in Victorian Society*, 1975

Nadja Durbach, 'Class, Gender, and the Conscientious Objector to Vaccination, 1898-1907', *Journal of British Studies*, Volume 41, Number 1, January 2002: 58-83 [UCL Library}

*R. Macleod, 'Law, medicine and public opinion: the resistance to compulsory health legislation, 1870-1907', *Public Law* 1967 (photocopy)

Graham Mooney, 'Public health versus private practice: the contested development of compulsory infectious disease notification in late nineteenth-century Britain', *Bulletin of the History of Medicine*, 73 (1999), 238-67.

Graham Mooney, "A tissue of the most flagrant anomalies": smallpox and the centralisation of sanitary administration in late nineteenth-century London', *Medical History*, 41 (1997), 261-90.

*Mark Ozer, 'The British Vivisection controversy', *Bull. Hist. Med.*, 1966

Rupke, Nicolas, ed., *Vivisection in historical perspective*, 1987

R & D. Porter, 'The politics of prevention: anti-vaccinationism and public health in 19th century England', *Medical History*, 32 (1988), 231-252

F. B. Smith, 'The Contagious Diseases Acts reconsidered', *Social History of Medicine*, 3 (1990): 197-215

L.G. Stevenson, 'Science down the drain: on the hostility of certain sanitarians to animal experimentation, bacteriology and immunology', *Bulletin of the History of Medicine*, 29 (1955), 1-26

E. M. Tansey, 'The MRC and anti-vivisectionist protest', *Medical History* 1994

Judith Walkowitz, *Prostitution and Victorian Society*, 1980

C111 Essay 1

First Essay: ♦ 10% of final grade

♦ Please choose one of the nine options below and submit it to me by **21 November**.

♦ Please use the recommended reading suggestions under the subject headings above and add to these from your own literature search of the Wellcome Library catalogue (and other catalogues if required)

1. What motivated the public health improvements of the nineteenth century and what results did they achieve?
2. How did institutional provision for illness change over the nineteenth century and what was the role of the hospital?
3. Was Abraham Flexner's assessment of British medical education as good on clinical knowledge but bad on science accurate?
4. Did the 1858 Medical Act mean that the medical profession in Britain was now unified?
5. Was the germ theory and bacteriology central to Joseph Lister's surgery?
6. Was there a 'laboratory revolution' in medicine in the late nineteenth century?
7. Did the rise of the pharmaceutical industry increase the speed and efficiency of therapeutic advance, or was medical science perverted by profit?
8. Describe how medical ideas about the body helped maintain social attitudes to women and outline those attitudes.
9. Why did male doctors allow women to be nurses, but not doctors?
10. Discuss the role of women in, and the impact on medicine of, the anti-vivisection and anti-vaccination debates.